

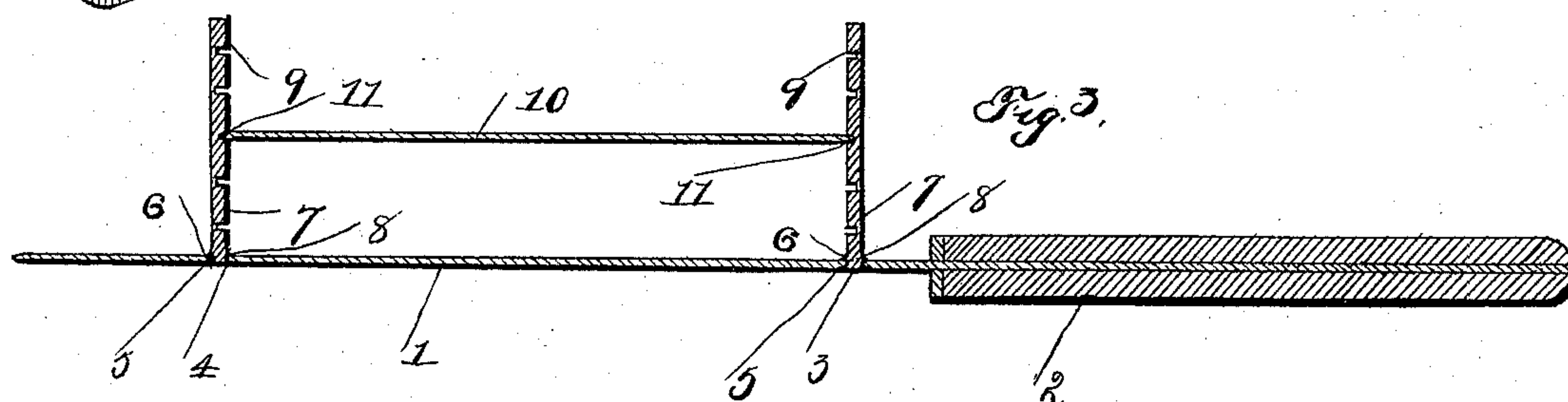
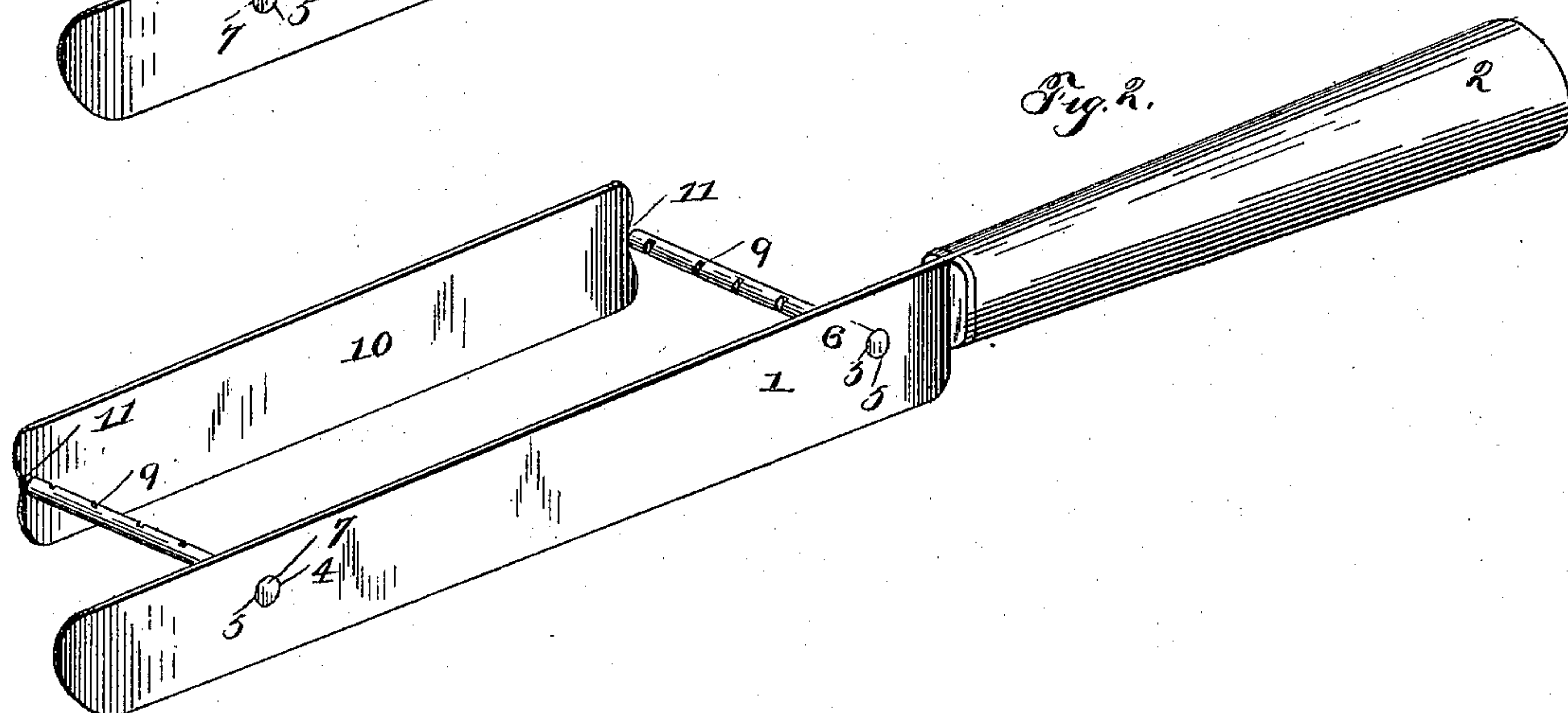
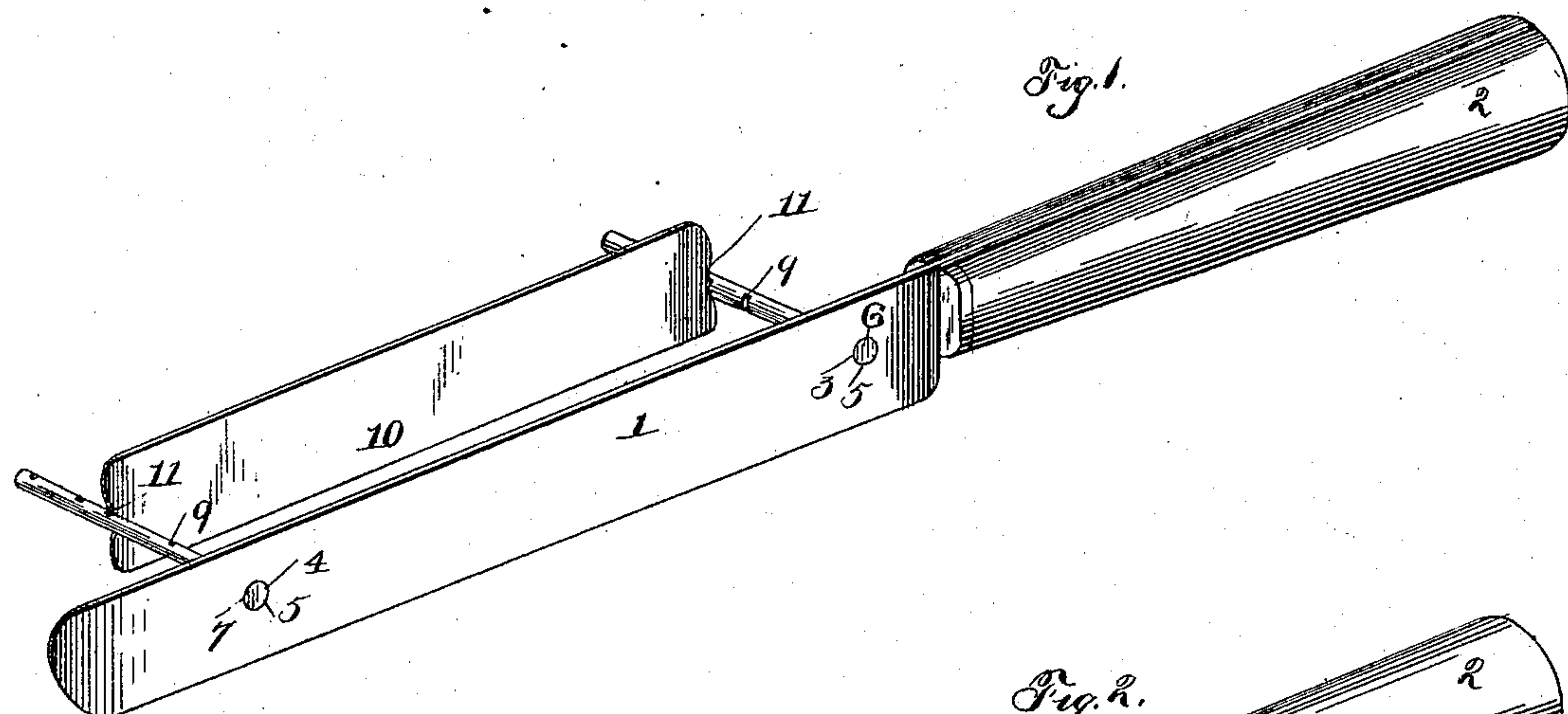
(No Model.)

J. W. RUSSELL.

GAGE KNIFE.

No. 368,855.

Patented Aug. 23, 1887.



Witnesses
F. Ouraud
B. Jones.

Inventor
John W. Russell,
By his Attorneys
Louis Bagge & Co.

UNITED STATES PATENT OFFICE.

JOHN W. RUSSELL, OF CANAAN, CONNECTICUT.

GAGE-KNIFE.

SPECIFICATION forming part of Letters Patent No. 368,855, dated August 23, 1887.

Application filed May 17, 1887. Serial No. 238,517. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. RUSSELL, of Canaan, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Bread-Knives; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved bread-knife. Fig. 2 is a similar view of the two parts of the knife separated; and Fig. 3 is a longitudinal sectional view of the knife taken through the notched posts.

Similar numerals of reference indicate corresponding parts in all the figures.

My invention has relation to that class of bread-knives in which a guide or guard blade is secured parallel to the blade of the knife and at a distance from it equal to the thickness desired for the sliced bread, the said blade serving to guide the cutting-blade through the bread and to regulate the thickness of the slices of bread cut; and it consists in the improved construction and combination of parts of such a knife in which the guide-blade may be adjusted at different distances from the cutting-blade, allowing slices of different thickness to be cut, as hereinafter more fully described and claimed.

In the accompanying drawings the numeral 1 indicates the cutting-blade, which is secured in the handle 2 and is of the usual construction, and this blade is formed with two perforations, 3 and 4, countersunk upon one side of the blade, as shown at 5, into which perforations the tenons or shanks 6 of two uprights, 7, may be inserted and riveted, the countersinks of the perforations admitting of the shanks being riveted. The uprights or posts are provided with flaring shoulders or collars 8 at their inner ends, bearing against the face of the blade, and the inner facing sides of the posts are formed with series of registering notches 9 at suitable distances from each other.

A guide-blade or guard, 10, of the same width as the cutting-blades, and having its

ends slightly thinner than its middle, is secured with its rounded and roundedly-notched ends 11 in the registering notches of the posts, the said posts having sufficient yield or spring in them to admit of the rounded ends of the said guide-blade being inserted between them and slipped into the desired set of notches.

It will now be seen that when the guide-blade is secured into one set of notches the cutting-blade may only cut one thickness of slice equal to the space between the two blades, and that when the guide-blade bears against the outer side of the slice the thickness of the slice will be even at all points, as the blade is parallel with the cutting-blade, and by bringing the guide-blade to bear at each slice against the outer side of the slice being cut the bread may be cut into slices of equal thickness and of an even thickness at all points. The thickness of the slices may be regulated by adjusting the guide-blade in sets of notches nearer to or farther from the cutting-blade, and it will be seen that any bread-knife or common knife may be converted to this construction by securing the posts in the blade and adding the guide-blade.

By having the perforations in the cutting-blade countersunk and having the uprights provided with the collars and riveted in the countersunk perforations the cutting-blade is in no manner weakened by the perforations, and the posts will remain perfectly solid in the perforations.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In combination with a knife-blade, two posts having notches in their facing sides and secured in one side of the blade near the ends of the same, and a guide-blade having its notched ends secured in the registering notches of the posts, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOHN W. RUSSELL.

Witnesses:

JOSEPH W. PEET,
GEORGE S. FULLER.